



COLUMBIA COUNTY PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. Statewide approved products are listed online at www.floridabuilding.org.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING	CGI	Sliding Glass Door	38621.2
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	CGI	Single Hung Window	38618.2
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR			
A. ENVELOPE PRODUCTS			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; (1) copy of the product approval (2) performance characteristics which the product was tested and certified to comply with (3) copy of the applicable manufacturer's installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

4/2/2024

APPLICANT SIGNATURE

DATE

FLORIDA DEPARTMENT OF
Business & Professional Regulation



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Product Approval
USER: Public User

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Search Criteria

[Refine Search](#)

Code Version	2023	FL#	38618.2
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL38618-R3 History	Revision	CGI Windows and Doors FL#: FL38618.2 Model: SH800V Description: Non-impact Resistant, Vinyl, Tilt-sash Single Hung Window Category: Windows Subcategory: Single Hung	Steven M. Urch, PE (717) 317-8454	Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

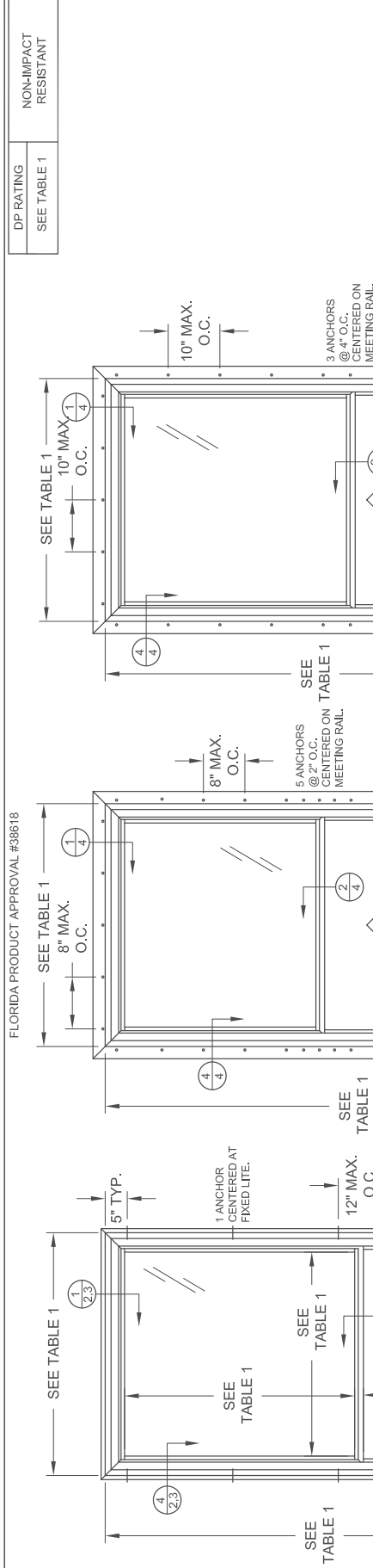
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Product Approval Accepts:





ADDITIONAL ORIEL CONFIGURATIONS ALLOWED PROVIDED THAT THE MAX FIXED DLO HEIGHT AND THE FRAME HEIGHT ARE NOT EXCEEDED.

Buck Width	Buck Height	Max. Sash DLO Size (Width x Height)	Max. Fixed DLO Size (Width x Height)	Configuration	Frame Type	Glass Type	Design Pressure (+) psf (-) psf
54"	76"	47.25" x 34.44"	49.75" x 34.44"	Equal-Lite	All	1	50.0
36"	72"	29.25" x 32.44"	31.75" x 32.44"	Equal-Lite	All	1	65.0
48"	84"	41.25" x 38.25"	43.75" x 38.63"	Equal-Lite	Flange, Equal-Leg	1	45.0
48"	84"	41.25" x 38.25"	43.75" x 38.63"	Equal-Lite	Fin (A)	1	50.0
54"	92"	47.25" x 34.19"	49.81" x 50.75"	Oriel	Flange, Equal-Leg	2	30.0
54"	92"	47.25" x 34.19"	49.81" x 50.75"	Oriel	Fin (B)	2	40.0

FOR GLASS TYPES,
SEE SHEET 6.

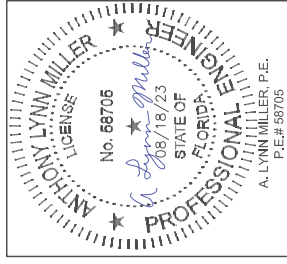
1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

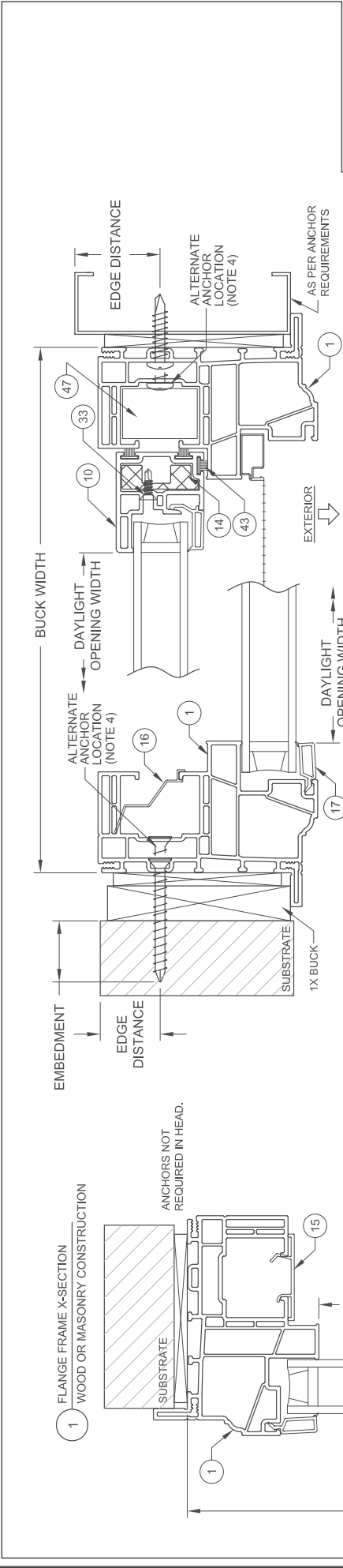
2) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS:

6) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

7) FRAME FLANGES OR INTEGRAL FINS MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

 Impact Resistant Windows & Doors	CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		VINYL SINGLE HUNG WINDOW (NI) 04/14/23	ELEVATION & GENERAL NOTES Drawn By: LOGAN YODER	Sheet 1 OF 6 DWG No. SH800V-FPA-NI	Sizing Desc. Title
	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296 COPYRIGHT © 2023 CGI WINDOWS AND DOORS LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.					





SH800V

FLANGE INSTALL SECTION VIEWS

VINYL SINGLE HUNG WINDOW (NI)

CGI WINDOWS AND DOORS

IMPACT RESISTANT

SH800V-FPA-NI

LOGAN YODER

04/14/23

CGI WINDOWS AND DOORS

IMPACT RESISTANT

2 OF 6

NO. 6

DWG

PREPARED BY A. LYNN MILLER

1070 TECHNOLOGY DRIVE

N. VENICE, FL 34275

(941) 480-1600

REGISTRATION #29296

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ANTHONY LYNN MILLER

PROFESSIONAL ENGINEER

FLORIDA

STATE OF

08/18/23

NO. 68705

ANTHONY LYNN MILLER, P.E.

P.E.# 58705

TABLE 2: INSTALLATION ANCHORS

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	1/2"	1-3/8"
	Aluminum, 6063-T5 min.	5/16"	0.050"
	Steel Stud, Gr. 33 min.	5/16"	0.045" (20 Ga)
	A36 Steel	5/16"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	Ungrooved CMU, (ASTM C-90)	1-1/16"	1-1/4"
1/4" Steel Ultracon+	Southern Pine (SG = .55)	1"	1-3/8"
	Concrete (min. 3.0 ksi)	1"	1-3/8"
	Ungrooved CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- 2) "UNGROOVED CMU" VALUES MAY BE USED FOR GROUDED CMU APPLICATIONS.
- 3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

INSTALLATION NOTES:

- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
- 2) ANY INSTALLATION OPTION SHOWN (2X BUCK OR WOOD FRAMING, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.
- 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4".
- 4) MAXIMUM DESIGN PRESSURE LIMITED TO +/- 50 PSF FOR ALTERNATE ANCHOR LOCATION.

3 FLANGE FRAME X-SECTION WOOD OR MASONRY CONSTRUCTION



- 1) ANCHOR MUST EXTEND A MINIMUM OF 3 THREADS BEYOND ANY METAL SUBSTRATE.
- 2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.
- 3) ALL ANCHOR HEAD TYPES ARE APPLICABLE.

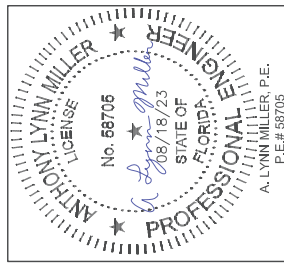
Anchor	Substrate	Minimum Edge Distance	Minimum Embedment
#10 or #12 Steel or 410 SS Screw	Southern Pine (SG = .55)	1/2"	1-3/8"
	Aluminum, 6063-T5 min.	5/16"	0.050"
	Steel Stud, Gr. 33 min.	5/16"	0.045" (20 Ga)
	A36 Steel	5/16"	0.050"
3/16" Steel Ultracon+	Concrete (min. 2.9 ksi)	1"	1-3/4"
	Ungrouted CMU, (ASTM C-90)	1-1/16"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"
1/4" Steel Ultracon+	Concrete (min. 3.0 ksi)	1"	1-3/8"
	Ungrouted CMU, (ASTM C-90)	1"	1-1/4"
	Southern Pine (SG = .55)	1"	1-3/8"

INSTALLATION NOTES:

- INSTALLATION NOTES:
- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
 - 2) ANY INSTALLATION OPTION SHOWN (2X BUCK OR WOOD FRAMING, 1X BUCK, DIRECT TO MASONRY, STEEL STUD) MAY BE USED ON ANY SIDE OF THE WINDOW.
 - 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 3. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. MAX. SHIM THICKNESS TO BE 1/4".
 - 4) MAXIMUM DESIGN PRESSURE LIMITED TO +/- 50 PSF FOR ALTERNATE ANCHOR LOCATION.



 Impact Resistant Windows & Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		REGISTRATION #29296 COPYRIGHT LICENSE TO MAKE COPIES FOR PERMITTING.		VINYL SINGLE HUNG WINDOW (NI) 04/14/23		EQUAL-LEG INSTALLATION SECTION VIEWS LOGAN YODER		DWG No.		3 OF 6		Sheet No.		SH800V		SH800V-PFA-NI	
					Date													



Rev.	Minor Editorial Changes	Date	Rev. #
		08/17/23	A

SH800V	4 OF 6	DWG No.	SH800V-FPA-NI
FIN INSTALLATION SECTION VIEWS	Drawn By	LOGAN YODER	
VINYL SINGLE HUNG WINDOW (NI)	Date	04/14/23	
CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018	Copyright © 2023 CGI Windows and Doors Limited License to Make Copies for Registration #29296 (941) 480-1600	Prepared by A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	

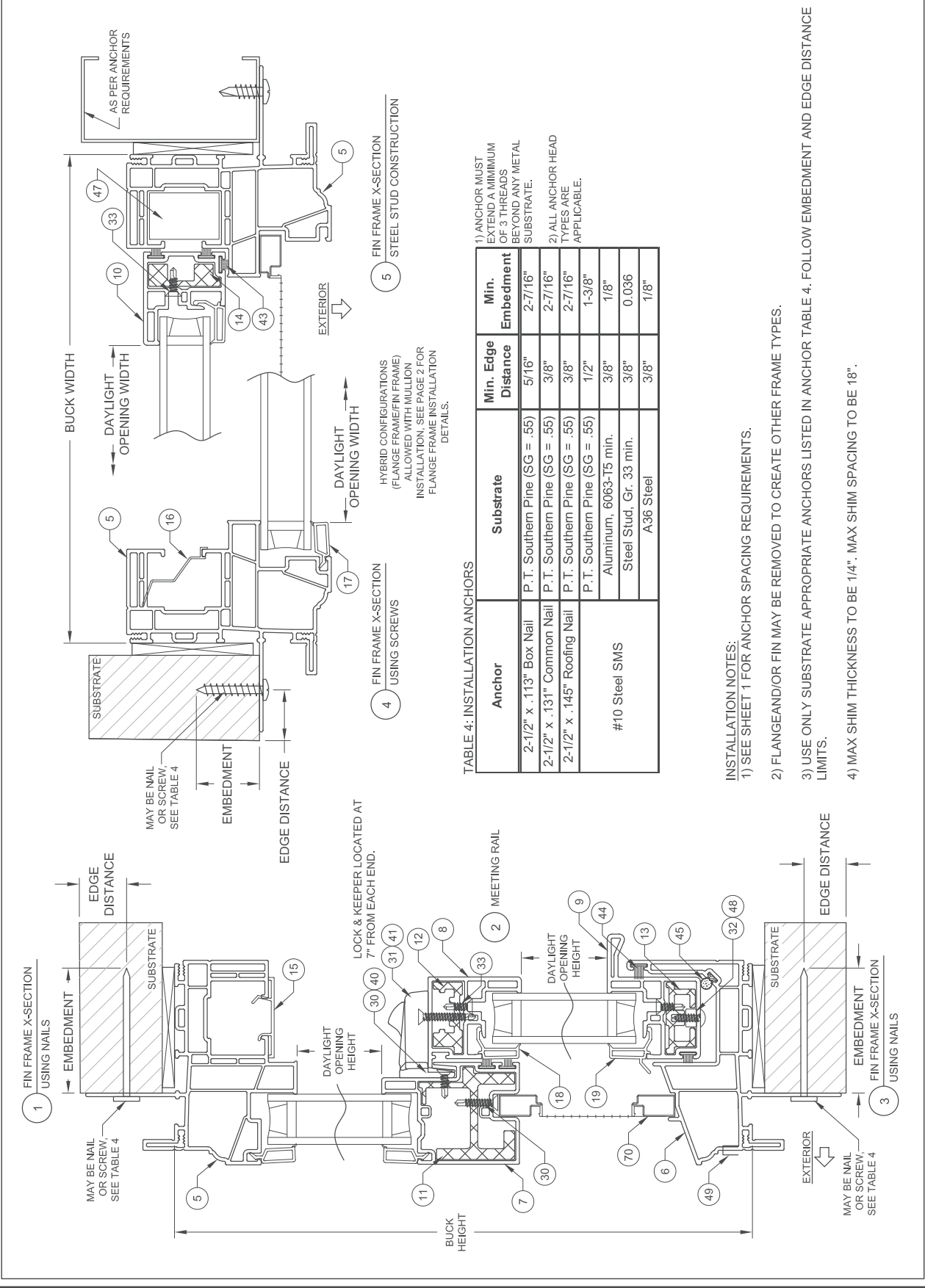


TABLE 4: INSTALLATION ANCHORS

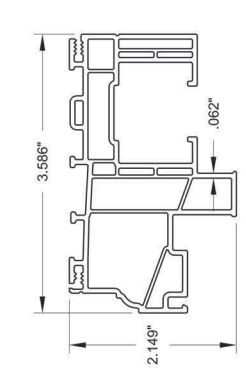
Anchor	Substrate	Min. Edge Distance	Min. Embedment
#10 Steel SMS	2-1/2" x .113" Box Nail	5/16"	2-7/16"
	2-1/2" x .131" Common Nail	3/8"	2-7/16"
	2-1/2" x .145" Roofing Nail	3/8"	2-7/16"
	P.T. Southern Pine (SG = .55)	1/2"	1-3/8"
	Aluminum, 6063-T5 min.	3/8"	1/8"
	Steel Stud, Gr. 33 min.	3/8"	0.036
	A36 Steel	3/8"	1/8"

- INSTALLATION NOTES:
- 1) SEE SHEET 1 FOR ANCHOR SPACING REQUIREMENTS.
 - 2) FLANGE AND/OR FIN MAY BE REMOVED TO CREATE OTHER FRAME TYPES.
 - 3) USE ONLY SUBSTRATE APPROPRIATE ANCHORS LISTED IN ANCHOR TABLE 4. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS.
 - 4) MAX SHIM THICKNESS TO BE 1/4". MAX SHIM SPACING TO BE 18".

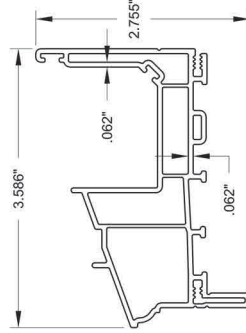
TABLE 5:

#	Part #	Description	Material
1	9465	Head & Jamb, w/Flange	PVC
2	9469	Sill, w/Flange	PVC
3	9465	Head & Jamb, Equal Leg	PVC
4	9469	Sill, Equal Leg	PVC
5	9455	Head & Jamb, w/Nailing Fin	PVC
6	9459	Sill, w/Nailing Fin	PVC
7	9477	Meeting Rail	PVC
8	9485	Lock Rail	PVC
9	9476	Sash Lift Rail	PVC
10	9438	Sash Stiles	PVC
11	6166	Reinf. - Meeting Rail	6063-T5
12	6165	Reinf. - Lock Rail	6063-T5
13	6163	Reinf. - Lift Rail	6063-T5
14	6164	Reinf. - Stiles	6063-T5
15	9473	Sash Stop	PVC
16	9468	Balancer Cover	PVC
17	9736	Fixed Lite Glazing Bead	PVC
18	9425	Sash Glazing Bead	PVC
30	1012	Screw, #6 x 3/4" PFH	Steel
31	1007	Screw, #6 x 1-1/8" PFH	Steel
32	1015	Screw, #8 x 1/2" PTRUSS	Steel
33	1003	Screw, #6 x 1/2" PFH	Steel
40	8096	Keeper	Zinc
41		Lock	
42	8121	MR Backing Plate	SS
43	4006	WSTP, .270" x .220" Polyfin	
44	4008	WSTP, .270" x .320" Polyfin	
45	4012	WSTP, Bulb Vinyl, .187" x .300"	Steel
46	8205/8206	Tilt Latch, L&R	Zinc
47		Balance	
48	8148	Pivot Bar	SS
49	8223	Weep Cover	Nylon
60	RGS 7700	Pecora 895, SikaFlex 552, Dow 791, 983 or 995	
61		Insulated Glass Spacer	
62	7061	Setting Block, 1/8" x 7/8" x 2"	EPDM
70	6244	Screen Frame	Aluminum

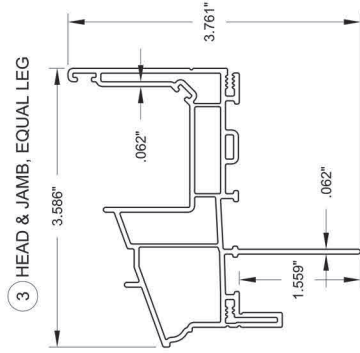
THE APPROVED, RIGID PVC EXTERIOR EXTRUSIONS ARE TO BE PRODUCED BY EXTRUDERS' LICENSEES UNDER "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



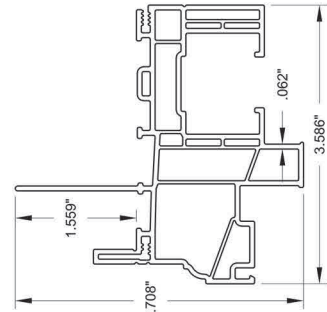
① HEAD & JAMB, w/FLANGE



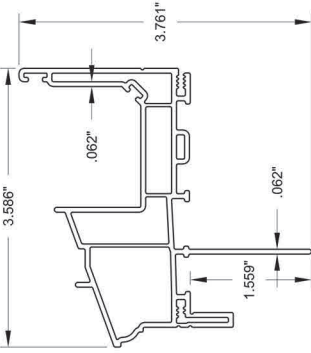
② SILL, w/FLANGE



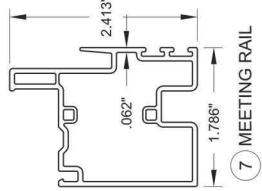
③ HEAD & JAMB, EQUAL LEG



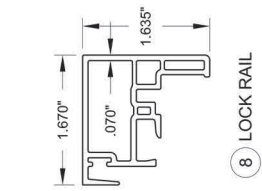
⑤ HEAD & JAMB, w/NAILING FIN



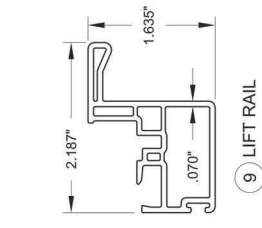
⑥ SILL, w/NAILING FIN



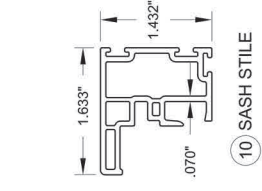
⑦ MEETING RAIL



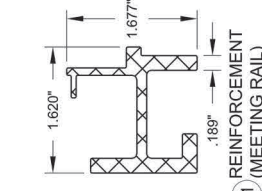
⑧ LOCK RAIL



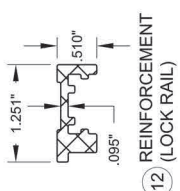
⑨ LIFT RAIL



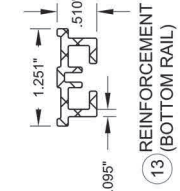
⑩ SASH STILE



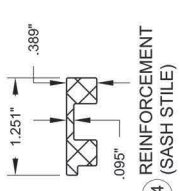
⑪ REINFORCEMENT (MEETING RAIL)



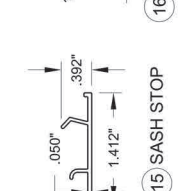
⑫ REINFORCEMENT (LOCK RAIL)



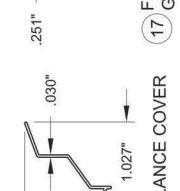
⑬ REINFORCEMENT (BOTTOM RAIL)



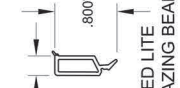
⑭ REINFORCEMENT (SASH STILE)



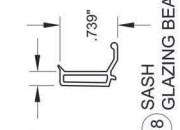
⑮ SASH STOP



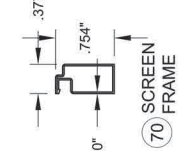
⑯ BALANCE COVER



⑰ FIXED LITE GLAZING BEAD



⑱ SASH GLAZING BEAD



⑳ SCREEN FRAME

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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04/14/23
VINYL SINGLE HUNG WINDOW (NI)
EXTRUSIONS & BOM
LOGAN YODER

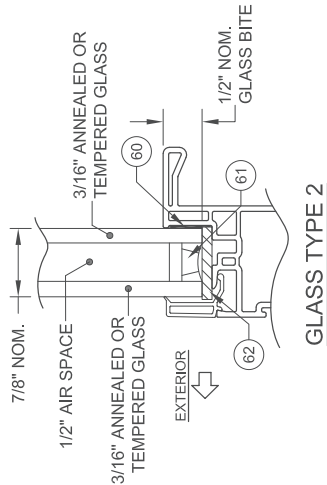
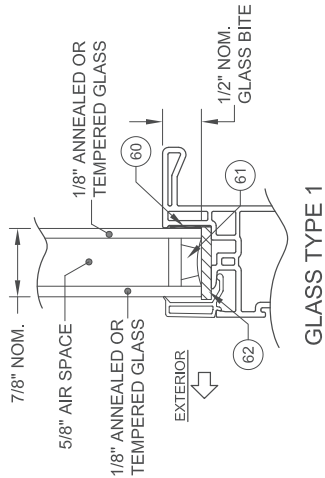
SH800V-FPA-NI
5 OF 6
DWG No.

ANTHONY LYNN MILLER
No. 58705
08/18/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



Serial	SH800V	Sheet	6 OF 6	DWG No.	SH800V-FPA-NI
Desc. Title	GLASS DETAILS				
Drawn By	LOGAN YODER				
Date	04/14/23				
CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		VINYL SINGLE HUNG WINDOW (NI)			PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296 COPYRIGHT © 2023 CGI WINDOWS AND DOORS LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.
Impact Resistant Windows & Doors					

Rev.	MINOR EDITORIAL CHANGES
Date	08/17/23
Rev. #	A





Product Approval
USER: Public User

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► OFFICE OF THE
SECRETARY

Search Criteria

[Refine Search](#)

Code Version	2023	FL#	38621.2
Application Type	ALL	Product Manufacturer	ALL
Category	ALL	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

Search Results - Applications

FL#	Type	Manufacturer	Validated By	Status
FL38621-R3 History	Revision	CGI Windows and Doors FL#: FL38621.2 Model: SGD830V Description: Non-impact Resistant, Vinyl Sliding Glass Door Category: Exterior Doors Subcategory: Sliding Exterior Door Assemblies	Steven M. Urich, PE (717) 317-8454	Approved

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

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Product Approval Accepts:



SGD830V, SLIDING PATIO DOOR,
NON-IMPACT RESISTANT,
BYPASS AND EXTERIOR POCKET,
2, 3 & 4 TRACK CONFIGURATIONS

GENERAL NOTES:

- 1) THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE (FBC) INCLUDING THE "HIGH VELOCITY HURRICANE ZONE" (HVHZ).
- 2) PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 3) WHEN USED IN AREAS REQUIRING WIND BORNE DEBRIS PROTECTION, THIS PRODUCT IS REQUIRED TO BE PROTECTED WITH AN IMPACT RESISTANT COVERING THAT COMPLIES WITH FBC SECTIONS 1609.1.2, R301.2.1.2 AND 1626 (HVHZ).
- 4) FOR 2X STUD FRAMING CONSTRUCTION, ANCHORING OF THESE UNITS SHALL BE THE SAME AS THAT SHOWN FOR 2X BUCK MASONRY CONSTRUCTION. 1X BUCKS ARE OPTIONAL, IF USED, INSTALLATION ANCHORS WILL GO THRU THE 1X INTO THE MASONRY CONSTRUCTION. CAN INSTALL DIRECTLY INTO MASONRY WITH A 1/4" MAX SHIM.
- 5) SITE CONDITIONS THAT DEViate FROM THE DETAILS OF THIS DRAWING REQUIRE FURTHER ENGINEERING ANALYSIS BY A LICENSED ENGINEER OR REGISTERED ARCHITECT.

TABLE 1: DESIGN PRESSURES

Design Pressure (+/- psf)															
		DLO					DLO Width								
Frame Height	DLO Height	33.855	39.855	43.855	47.855	51.8	46.200	47.855	49.855	51.855					
80.000	67.825	60.0	-82.8	55.5	-76.3	53.1	-73.1	51.8	-71.2	51.2	-70.5	50.4	-69.4	49.7	-68.4
84.000	71.825	56.4	-77.5	51.8	-71.2	49.5	-68.0	48.1	-66.2	47.6	-65.4	46.8	-64.3	46.1	-63.3
88.000	75.825	53.0	-72.9	48.6	-66.8	46.3	-63.6	44.9	-61.8	44.4	-61.1	43.6	-60.0		
92.000	79.825	50.0	-68.8	45.7	-62.9	43.3	-59.8	42.2	-58.0	41.6	-57.2				
95.000	83.825	47.7	-65.6	43.5	-59.8	41.3	-56.8	40.0	-55.0						

IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED.

TABLE 3: INSTALLATION ANCHORS

Anchor Type	Substrate	Min. Embedment	Min. Edge Distance	Min. On Center
1/4" Elco Ultracon	Concrete/CMU	1-3/8"	1-1/8"	4"
#10 SMS	Wood	1-3/8"	1-1/8"	1"
#10 SMS	Steel Stud	.056"	5/8"	1"

ANCHOR NOTES:

- 1) CONCRETE ANCHOR LOCATIONS AT THE CORNERS MAY BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS.
- 2) CONCRETE ANCHOR LOCATIONS NOTED AS "MAX. ON CENTER" MUST BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS, ADDITIONAL CONCRETE ANCHORS MAY BE REQUIRED TO ENSURE THE "MAX. ON CENTER" DIMENSION IS NOT EXCEEDED.
- 3) SHEET METAL SCREWS MUST PENETRATE A MIN. OF 3 THREADS THRU THE STEEL STUD.

NOTES:

TABLE 2: SILL RISER POS. (+) DP

Water-Limited (+) Design Pressure		
Sill Riser	Sill Height	Max. (+) DP Allowed
None	1.688"	See Note B
Standard	2.81"	+50.0 psf
High Dam	4"	+60.0 psf

- NOTES:
A) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE LESSER VALUES OF EITHER TABLE 1 AND TABLE 2 DETERMINES THE WATER LIMITED (+) DP.
B) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S SHOWN IN TABLE 1 MAY BE USED.

FIG. 1



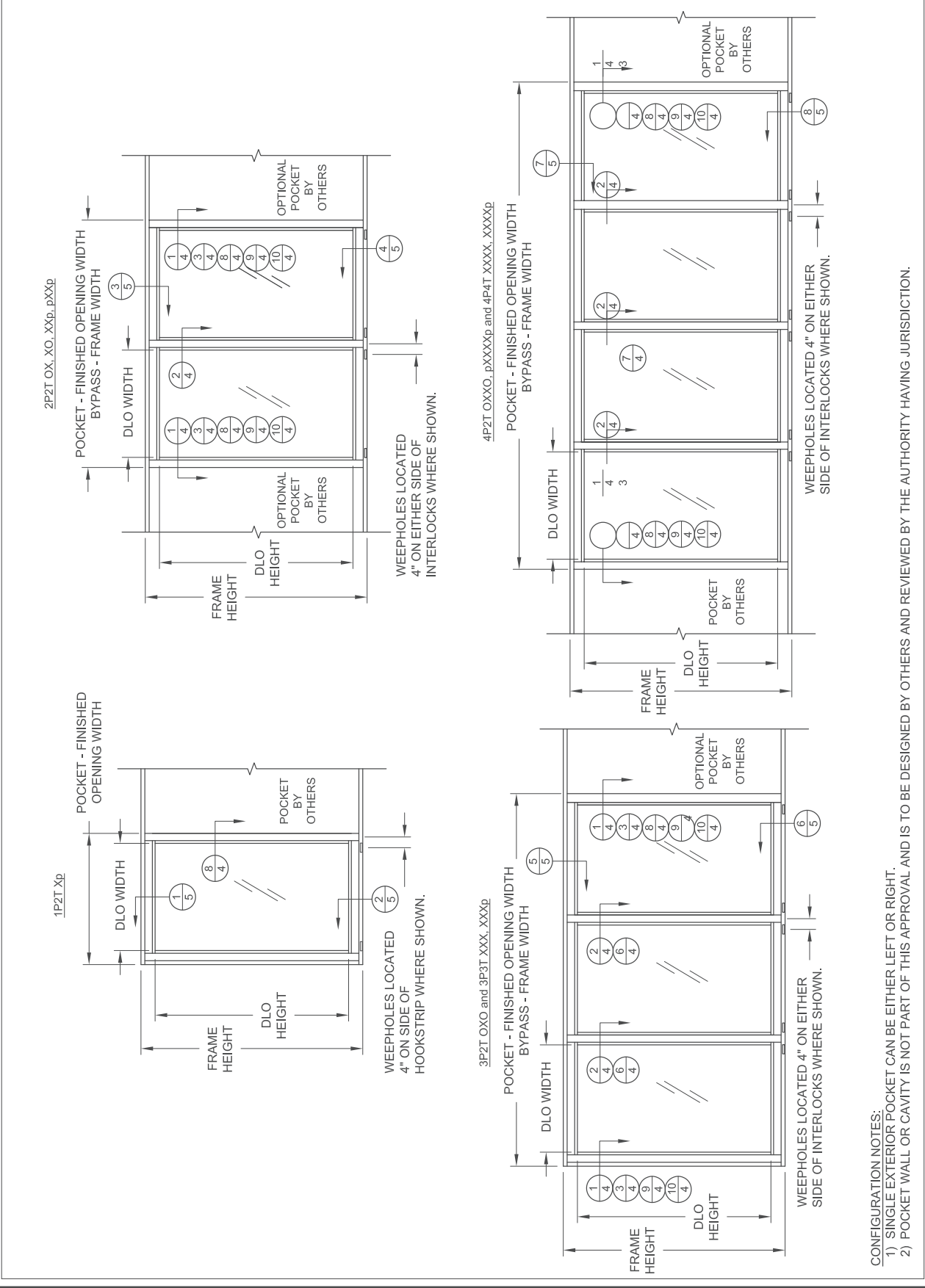
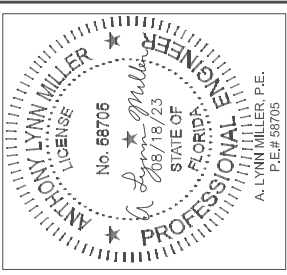
- 1 GENERAL NOTES.....1
- 1 DP & ANCHOR TABLES.....1
- 2 CONFIGURATIONS.....2
- 3 SIZING TABLE.....3
- 4 SECTION VIEWS.....4
- 5 GLAZING DETAILS.....5
- 6 FRAME ANCHORAGE.....6
- 10 EXTRUSIONS.....10
- 10 BILL OF MATERIALS.....10

 Impact Resistant Windows & Doors	CGI WINDOWS AND DOORS 3780 W. 104TH STREET HIALEAH, FL 33018		VINYL SLIDING GLASS DOOR (NI)	ELEVATION & GENERAL NOTES	DRAWING BY: LOGAN YODER	SHEET 1 OF 10 DWG No. SGBD830V-FPA-NI
	PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296 COPYRIGHT © 2023 PGT, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.		DATE: 04/18/23	



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Date	08/17/23
Rev. #	A

Series	SGD830V
Sheet	2 OF 10
DWG No.	SGD830V-FPA-NI
Drawn By	LOGAN YODER
Date	04/18/23
Desc.	CONFIGURATIONS
Title	VINYL SLIDING GLASS DOOR (NI)
CGI WINDOWS AND DOORS	3780 W. 104TH STREET HIALEAH, FL 33018
Impact Resistant Windows & Doors	1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600
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Prepared By	A. LYNN MILLER

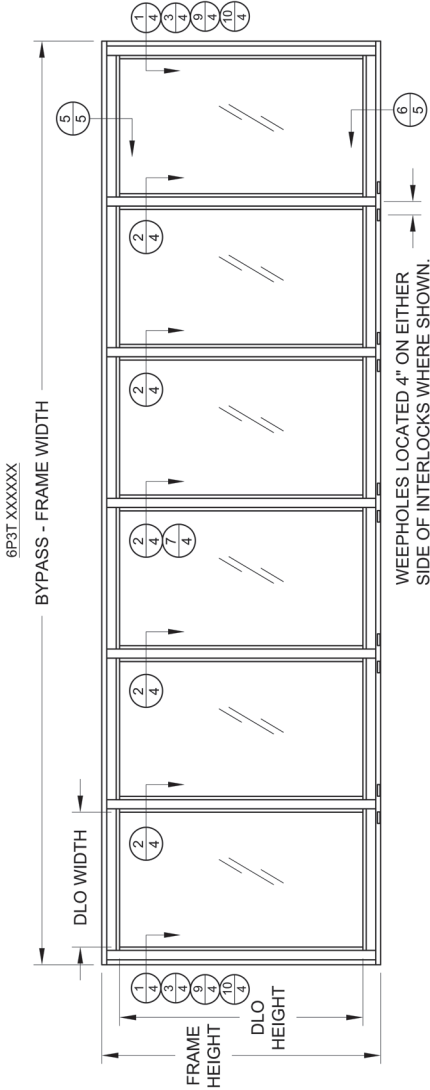
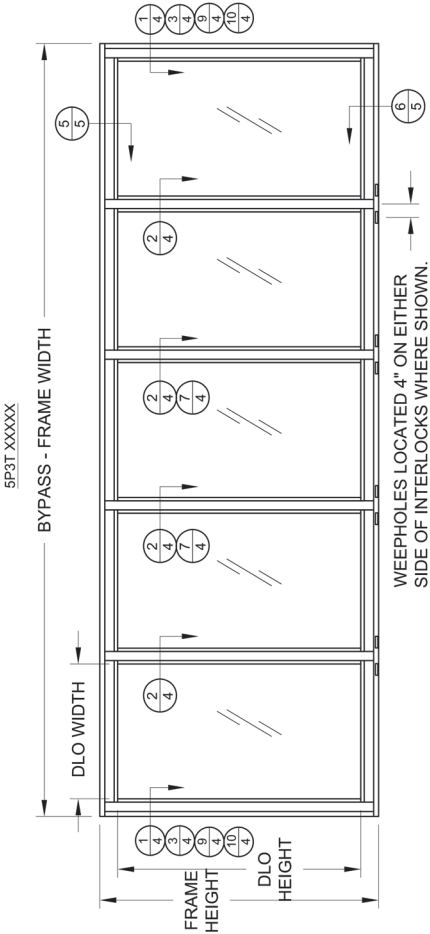


CONFIGURATION NOTES:

- 1) SINGLE EXTERIOR POCKET CAN BE EITHER LEFT OR RIGHT.
- 2) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

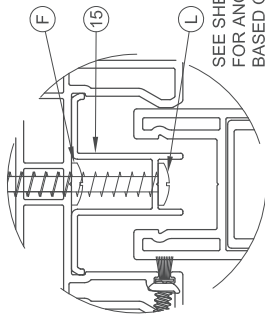
TABLE 4: PANEL DLO, FRAME/FINISHED OPENING WIDTHS

Configuration	DLO Width per Panel (in.)									
	33.855	39.855	43.855	46.200	47.855	49.855	51.855	53.855	55.855	57.855
1P2T Xp	39.030	45.030	49.030	51.375	53.030	55.030	57.030	59.030	61.030	63.030
2P2T XO, OX	84.00	96.00	104.00	108.69	112.00	116.00	120.00	124.00	128.00	132.00
2P2T Xxp	78.37	90.37	98.37	103.06	106.37	110.37	114.37	118.37	122.37	126.37
2P2T pXxp	78.37	90.37	98.37	103.06	106.37	110.37	114.37	118.37	122.37	126.37
3P2T OXO	128.09	146.09	158.09	165.13	170.09	176.09	182.09	188.09	194.09	200.09
3P3T XXX	122.78	140.78	152.78	159.81	164.78	170.78	176.78	182.78	188.78	194.78
3P3T Xxp	117.15	135.15	147.15	154.19	159.15	165.15	171.15	177.15	183.15	189.15
4P2T OXO	167.12	191.12	207.12	216.50	223.12	231.12	239.12	247.12	255.12	263.12
4P2T pXXXXp	155.93	179.93	195.93	205.31	211.93	219.93	227.93	235.93	243.93	251.93
4P4T XXXX	161.56	185.56	201.56	210.94	217.56	225.56	233.56	241.56	249.56	257.56
4P4T XXXXp	155.93	179.93	195.93	205.31	211.93	219.93	227.93	235.93	243.93	251.93
5P3T XXXXX	206.03	236.03	256.03	267.75	276.03	286.03	296.03	306.03	316.03	326.03
6P3T XXXXXX	244.81	280.81	304.81	318.88	328.81	340.81	352.81	364.81	376.81	388.81

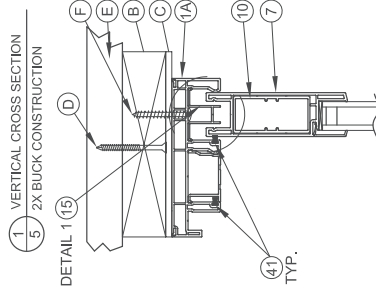
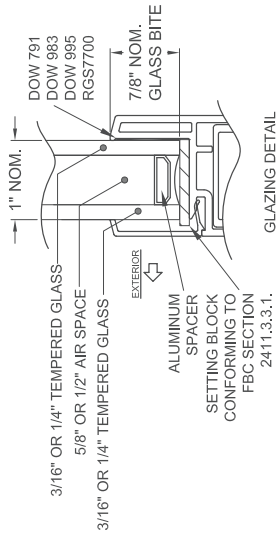


Series	SGD830V	Sheet	3 OF 10	DWG No.	
Desc.	CONFIGURATIONS AND SIZING				
Title	VINYL SLIDING GLASS DOOR (NI)				
Drawn By	LOGAN YODER				
Date	04/18/23				
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Impact Resistant Windows & Doors Impact Resistant 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600					

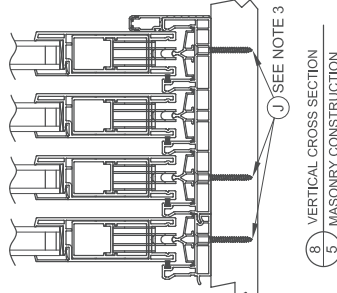
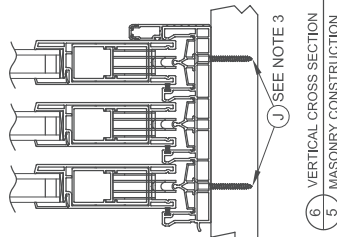
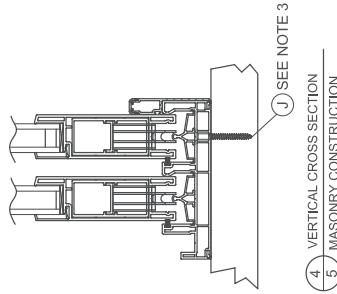
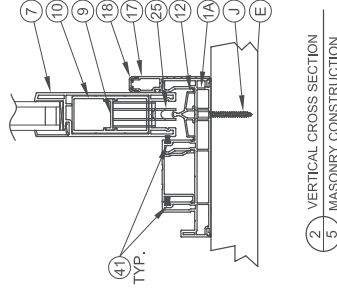
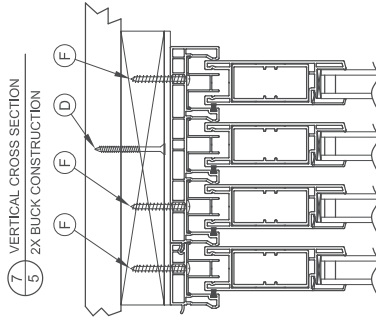
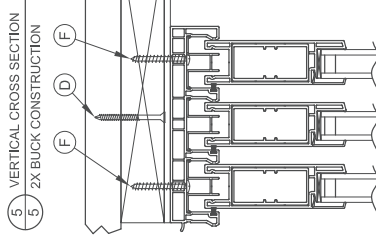
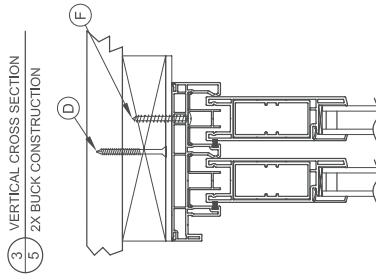




SEE SHEETS 6-8
FOR ANCHOR TYPE
BASED ON SUBSTRATE



SEE NOTE 2 AND DETA

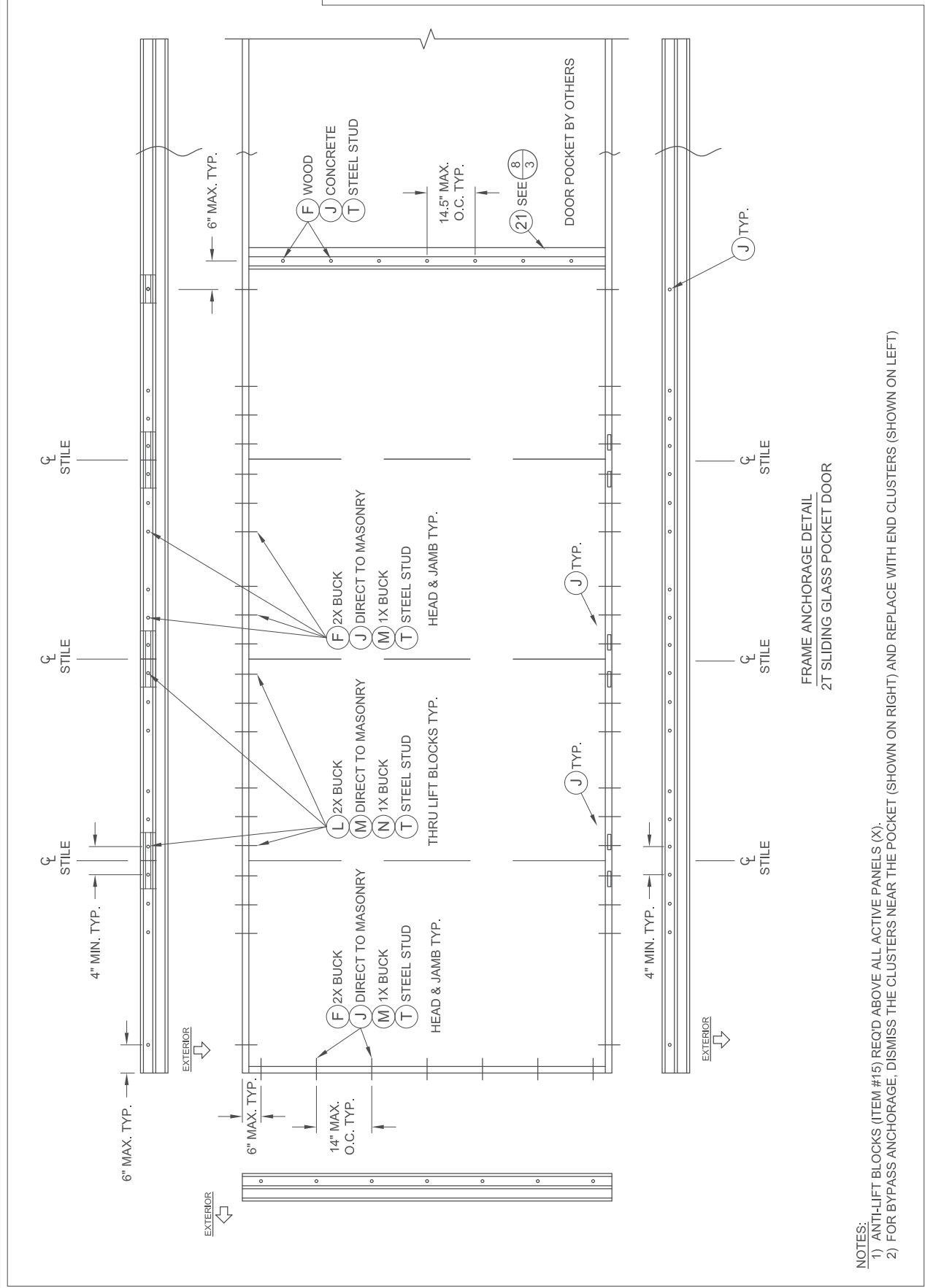
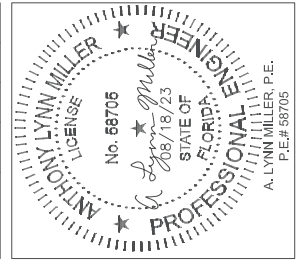


NOTES:

- 1) FIXED PANEL SCREW INTO HEAD AND SILL, G, LOCATED 3" AND 6" FROM JAMB AND THEN 6", 9" AND 12" FROM THE INTERLOCK.
- 2) ANCHOR THRU ANTI-LIFT BLOCK (ITEM #15) NOT SHOWN FOR CLARITY. REFER TO SHEETS 6-8 FOR ANCHOR TYPE.
- 3) FLAT HEAD ANCHORS MUST BE USED IN SILL, ALL OTHERS INTERFERE WITH ROLLER TRACK.
- 4) FOR INSTALLATION INTO 1X BUCK CONSTRUCTION, BUCK TO CONCRETE ANCHORS (IF USED) MUST BE AT LEAST 4" FROM PRODUCT INSTALLATION
- 5) ANCHORS THRU 1X BUCK INTO MASONRY AND FOLLOW MASONRY ANCHOR REQUIREMENTS FROM TABLE 3. APPLIES TO ALL FRAMES.
- 6) DIRECT TO MASONRY APPLIES TO ALL FRAMES.

Rev./#	A
Date	08/17/23
Minor Editorial Updates	

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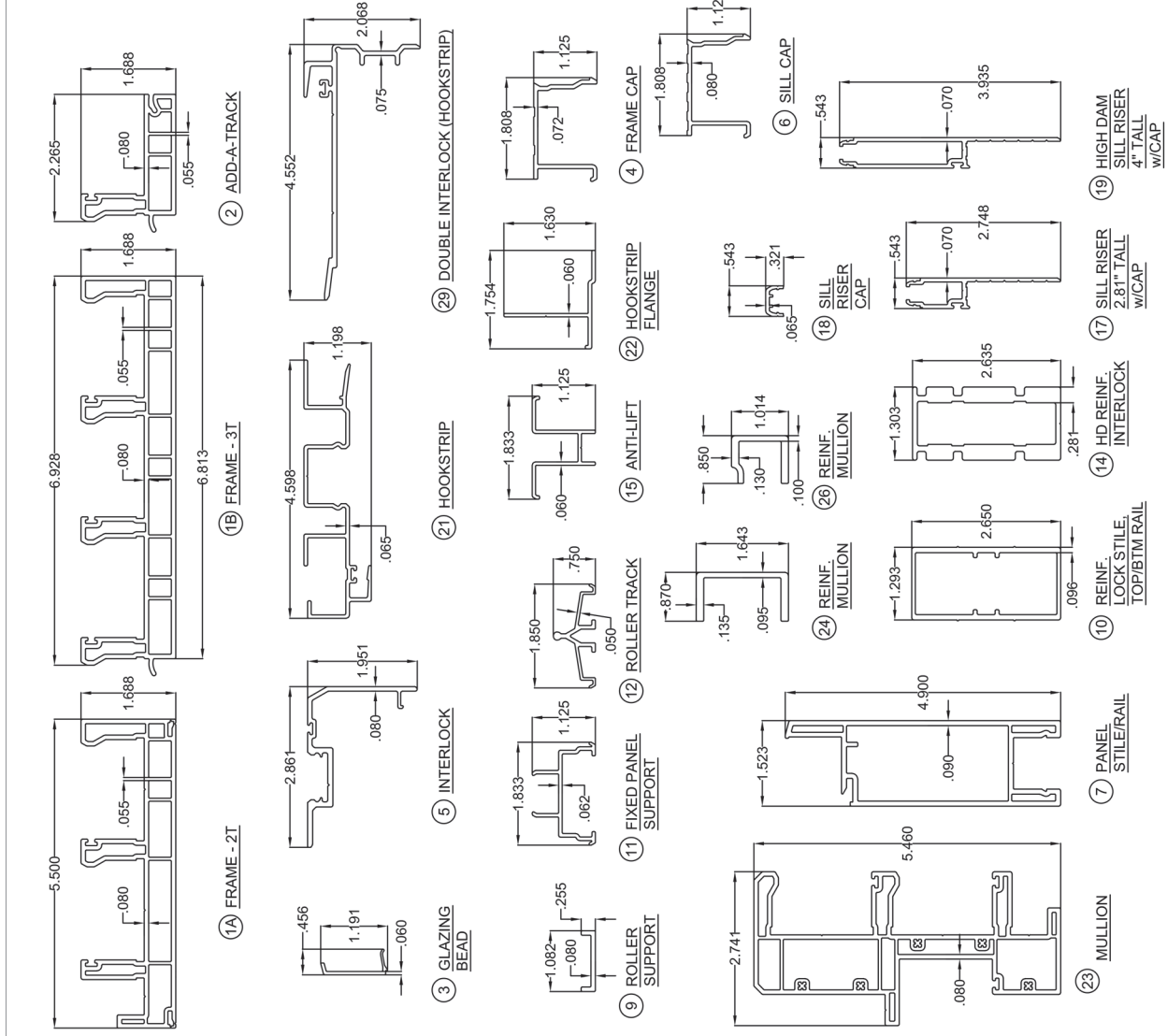


NOTES:

- 1) ANTI-LIFT BLOCKS (ITEM #15) REQ'D ABOVE ALL ACTIVE PANELS (X).
- 2) FOR BYPASS ANCHORAGE, DISMISS THE CLUSTERS NEAR THE POCKET (SHOWN ON RIGHT) AND REPLACE WITH END CLUSTERS (SHOWN ON LEFT)

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG=0.42)	WOOD
B	2X BUCK (SG=0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" ELCO ULTRACON OR ULTRACON+ CONCRETE SCREW	STEEL
E	MASONRY - 3000 PSI MIN CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C80	CONCRETE
F	#10 X 2" PPH SMS	STEEL
G	#8 X 1" PPH SMS	STEEL
H	#10 X 2-1/2" PPH SMS	STEEL
J	1/4" X 2-1/4" ELCO ULTRACON OR ULTRACON+ CONCRETE SCREW	STEEL
K	#8 X 1/2" PPH SMS	STEEL
L	#10 X 3" PPH SMS	STEEL
M	1/4" X 3-1/4" ELCO ULTRACON OR ULTRACON+ CONCRETE SCREW	STEEL
N	1/4" X 3-3/4" ELCO ULTRACON OR ULTRACON+ CONCRETE SCREW	STEEL
P	#8 X 1-1/2" PPH SMS	STEEL
T	#10-16 PH SELF-DRILLING SMS (3 THREADS MIN. THRU STUD)	STEEL
X	STEEL STUD MIN THICKNESS 0.056" (ASTM A653 GRADE 50, FY=50 KSI MIN. FU=65 KSI MIN.)	STEEL
1A	FRAME - 2T	PVC
1B	FRAME - 3T	PVC
2	ADD-A-TRACK	PVC
3	GLAZING BEAD	PVC
4	FRAME CAP (JAMB COVER)	PVC
5	INTERLOCK	6063-T5
6	SILL CAP (THRESHOLD)	6063-T5
7	PANEL STILE/RAIL	PVC
9	ROLLER SUPPORT	6063-T5
10	REINFORCEMENT (LOCK STILE, TOP/BTM RAIL)	6065-T5
11	FIXED PANEL SUPPORT	6065-T5
12	ROLLER TRACK	6063-T5
14	HD REINFORCEMENT (INTERLOCK)	ALUM
15	ANTI-LIFT OUT BLOCK	6063-T5
17	STANDARD SILL RISER	6063-T5
18	SILL RISER CAP	6063-T5
19	HIGH DAM SILL RISER	6063-T5
21	HOOKSTRIP	6063-T5
22	HOOKSTRIP FLANGE	6063-T5
23	MULLION (OFFSET BUTTSTILE)	PVC
24	REINFORCEMENT - MULLION (LARGE)	6063-T5
25	ROLLER ASSEMBLY	STEEL
26	REINFORCEMENT - MULLION (SMALL)	6063-T5
27	CORNER KEY	PVC
29	DOUBLE INTERLOCK (PANEL TO HOOKSTRIP)	6063-T5
30	LOCK AND HANDLE	-
31	STRIKE PLATE	-
39	SCREW COVER (HOOKSTRIP)	PVC
40	ASTRAGAL	6063-T5
41	WTSP. .187 x .290 Poly Fin	
42	WTSP. 0.8125" x 0.975" x 4" Fuzzy Pad (TOP/BTM RAIL)	

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Impact Resistant Windows & Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

CGI WINDOWS AND DOORS
3780 W. 104TH STREET
HILTECH, FL 33018

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Drawn By: LOGAN YODER
Date: 04/18/23

Series: SCD830V
Sheet: 10 OF 10
Desc. Title: EXTRUSIONS / BILL OF MATERIALS
VINYL SLIDING GLASS DOOR (NI)

ANTHONY LYNN MILLER
No. 58705
08/18/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705